Gennaro Fazio

List of Publications by Year
in descending order

68	2,896	136950 32	182427 51
papers	citations	h-index	g-index

71	71	71	2237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome re-sequencing reveals the history of apple and supports a two-stage model for fruit enlargement. Nature Communications, 2017, 8, 249.	12.8	286
2	Genetic mapping and QTL analysis of horticultural traits in cucumber (Cucumis sativus L.) using recombinant inbred lines. Theoretical and Applied Genetics, 2003, 107, 864-874.	3.6	137
3	A natural mutation-led truncation in one of the two aluminum-activated malate transporter-like genes at the Ma locus is associated with low fruit acidity in apple. Molecular Genetics and Genomics, 2012, 287, 663-678.	2.1	124
4	Title is missing!. Euphytica, 2000, 115, 225-241.	1.2	102
5	Genome to Phenome Mapping in Apple Using Historical Data. Plant Genome, 2016, 9, plantgenome2015.11.0113.	2.8	102
6	Putative resistance gene markers associated with quantitative trait loci for fire blight resistance in Malus â€˜Robusta 5â€™ accessions. BMC Genetics, 2012, 13, 25.	2.7	88
7	Genetic diversity in Malus Ã—domestica (Rosaceae) through time in response to domestication. American Journal of Botany, 2014, 101, 1770-1779.	1.7	87
8	Rootstock-regulated gene expression patterns associated with fire blight resistance in apple. BMC Genomics, 2012, 13, 9.	2.8	84
9	Interaction of Brassicaceous Seed Meal and Apple Rootstock on Recovery of Pythium spp. and Pratylenchus penetrans from Roots Grown in Replant Soils. Plant Disease, 2009, 93, 51-57.	1.4	80
10	Rootstock-regulated gene expression patterns in apple tree scions. Tree Genetics and Genomes, 2010, 6, 57-72.	1.6	79
11	Apple whole genome sequences: recent advances and new prospects. Horticulture Research, 2019, 6, 59.	6.3	77
12	Rootstock genotype succession influences apple replant disease and root-zone microbial community composition in an orchard soil. Plant and Soil, 2010, 337, 259-272.	3.7	75
13	The vulnerability of US apple (Malus) genetic resources. Genetic Resources and Crop Evolution, 2015, 62, 765-794.	1.6	74
14	Transcriptome changes specifically associated with apple (Malus domestica) root defense response during Pythium ultimum infection. Physiological and Molecular Plant Pathology, 2016, 94, 16-26.	2.5	70
15	ROSBREED: ENABLING MARKER-ASSISTED BREEDING IN ROSACEAE. Acta Horticulturae, 2010, , 389-394.	0.2	67
16	Identification of wild apple germplasm (Malus spp.) accessions with resistance to the postharvest decay pathogens Penicillium expansum and Colletotrichum acutatum. Plant Breeding, 2011, 130, 481-486.	1.9	64
17	Development and Characterization of PCR Markers in Cucumber. Journal of the American Society for Horticultural Science, 2002, 127, 545-557.	1.0	62
18	Field Evaluation of 64 Apple Rootstocks for Orchard Performance and Fire Blight Resistance. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 1517-1525.	1.0	58

#	Article	IF	Citations
19	Elucidating the molecular responses of apple rootstock resistant to ARD pathogens: challenges and opportunities for development of genomics-assisted breeding tools. Horticulture Research, 2014, 1, 14043.	6.3	57
20	Dw2, a New Dwarfing Locus in Apple Rootstocks and Its Relationship to Induction of Early Bearing in Apple Scions. Journal of the American Society for Horticultural Science, 2014, 139, 87-98.	1.0	57
21	Horticultural performance and elemental nutrient concentrations on â€˜Fujiâ€™ grafted on apple rootstocks under New York State climatic conditions. Scientia Horticulturae, 2018, 227, 22-37.	3.6	54
22	Hormone and growth interactions of scions and size-controlling rootstocks of young apple trees. Plant Growth Regulation, 2016, 78, 105-119.	3.4	53
23	Genomic consequences of apple improvement. Horticulture Research, 2021, 8, 9.	6.3	53
24	Apple rootstock resistance to drought. Scientia Horticulturae, 2016, 204, 70-78.	3.6	51
25	Transcriptional regulation of ethylene and jasmonate mediated defense response in apple (Malus) Tj ETQq1 1 0.784314 rgBT /Overloc	6.3	47
26	Effects of Size-Controlling Apple Rootstocks on Growth, Abscisic Acid, and Hydraulic Conductivity of Scion of Different Vigor. International Journal of Fruit Science, 2015, 15, 369-381.	2.4	47
27	Genotyping-by-sequencing markers facilitate the identification of quantitative trait loci controlling resistance to Penicillium expansum in Malus sieversii. PLoS ONE, 2017, 12, e0172949.	2.5	47
28	Effects of apple (MalusÃ—domestica) rootstocks on scion performance and hormone concentration. Scientia Horticulturae, 2017, 225, 96-105.	3.6	46
29	Conformity and genetic relatedness estimation in crop species having a narrow genetic base: the case of cucumber (Cucumis sativus L.)*. Plant Breeding, 2005, 124, 44-53.	1.9	37
30	Analysis of Malus S-RNase gene diversity based on a comparative study of old and modern apple cultivars and European wild apple. Molecular Breeding, 2010, 26, 693-709.	2.1	37
31	Chloroplast heterogeneity and historical admixture within the genus Malus. American Journal of Botany, 2015, 102, 1198-1208.	1.7	36
32	Long-term performance of â€˜Galaâ€™, Fujiâ€™ and â€˜Honeycrispâ€™ apple trees grafted on GenevaÂ® rootstocks and trained to four production systems under New York State climatic conditions. Scientia Horticulturae, 2019, 244, 277-293.	3.6	35
33	Identification of â€œDuplicateâ€•Accessions within the USDA-ARS National Plant Germplasm System Malus Collection. Journal of the American Society for Horticultural Science, 2012, 137, 333-342.	1.0	35
34	EST contig-based SSR linkage maps for MalusÂÃ—Âdomestica cv Royal Gala and an apple scab resistant accession of M. sieversii, the progenitor species of domestic apple. Molecular Breeding, 2012, 29, 379-397.	2.1	31
35	Inheritance of Chilling Injury: A Maternally Inherited Trait in Cucumber. Journal of the American Society for Horticultural Science, 2003, 128, 526-530.	1.0	31
36	Comparative Analysis and Functional Annotation of a Large Expressed Sequence Tag Collection of Apple. Plant Genome, 2009, 2, .	2.8	28

#	Article	IF	Citations
37	Identification of RAPD markers linked to fusarium crown and root rot resistance (Frl) in tomato. Euphytica, 1999, 105, 205-210.	1.2	27
38	PERFORMANCE OF GENEVAÂ® ROOTSTOCKS IN ON-FARM TRIALS IN NEW YORK STATE. Acta Horticulturae, 2011, , 249-255.	0.2	23
39	IMPLEMENTATION OF MOLECULAR MARKER TECHNOLOGIES IN THE APPLE ROOTSTOCK BREEDING PROGRAM IN GENEVA - CHALLENGES AND SUCCESSES. Acta Horticulturae, 2011, , 61-68.	0.2	22
40	Nomenclature and genetic relationships of apples and pears from Terceira Island. Genetic Resources and Crop Evolution, 2009, 56, 339-352.	1.6	21
41	Diversity Captured in the USDA-ARS National Plant Germplasm System Apple Core Collection. Journal of the American Society for Horticultural Science, 2013, 138, 375-381.	1.0	21
42	Cold Temperature Tolerance of Trunk and Root Tissues in One- or Two-year-old Apple Rootstocks. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 1460-1464.	1.0	20
43	PROGRESS IN EVALUATING MALUS SIEVERSII FOR DISEASE RESISTANCE AND HORTICULTURAL TRAITS. Acta Horticulturae, 2009, , 59-66.	0.2	19
44	Effect of scion and graft type on transpiration, hydraulic resistance and xylem hormone profile of apples grafted on Geneva Â® 41 and M.9-NICâ„¢29 rootstocks. Scientia Horticulturae, 2018, 227, 213-222.	3.6	19
45	The Formation of Test Arrays and a Core Collection in Cucumber Using Phenotypic and Molecular Marker Data. Journal of the American Society for Horticultural Science, 2002, 127, 558-567.	1.0	19
46	I. Mineral nutrient profiles and relationships of â€˜Honeycrispâ€™ grown on a genetically diverse set of rootstocks under Western New York climatic conditions. Scientia Horticulturae, 2020, 266, 108477.	3.6	18
47	II. Horticultural performance of â€˜Honeycrispâ€™ grown on a genetically diverse set of rootstocks under Western New York climatic conditions. Scientia Horticulturae, 2019, 257, 108686.	3.6	17
48	Effect of tree type and rootstock on the long-term performance of â€˜Galaâ€™, â€˜Fujiâ€™ and â€˜Honeycrispâ€™ apple trees trained to Tall Spindle under New York State climatic conditions. Scientia Horticulturae, 2019, 246, 506-517.	3.6	16
49	Mapping in an apple (Malus x domestica) F1 segregating population based on physical clustering of differentially expressed genes. BMC Genomics, 2014, 15, 261.	2.8	12
50	CHARACTERISTICS AND PERFORMANCE OF FOUR NEW APPLE ROOTSTOCKS FROM THE CORNELL-USDA APPLE ROOTSTOCK BREEDING PROGRAM. Acta Horticulturae, 2014, , 651-656.	0.2	12
51	Laccase Directed Lignification Is One of the Major Processes Associated With the Defense Response Against Pythium ultimum Infection in Apple Roots. Frontiers in Plant Science, 2021, 12, 629776.	3.6	12
52	Long-term Performance of â€˜Deliciousâ€™ Apple Trees Grafted on GenevaÂ® Rootstocks and Trained to Four High-density Systems under New York State Climatic Conditions. Hortscience: A Publication of the American Society for Hortcultural Science, 2020, 55, 1538-1550.	1.0	12
53	Thermotherapy Followed by Shoot Tip Cryotherapy Eradicates Latent Viruses and Apple Hammerhead Viroid from In Vitro Apple Rootstocks. Plants, 2022, 11, 582.	3.5	12
54	Fire Blight Resistance of Budagovsky 9 Apple Rootstock. Plant Disease, 2008, 92, 385-391.	1.4	11

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55	Genotypic Variation in Apple Rootstock Low Temperature Tolerance During Spring and Fall. Journal of the American Society for Horticultural Science, 2018, 143, 319-332.	1.0	9
56	GenevaÂ® Series Rootstocks for Apple Trees Under Extreme Replanting Conditions in Southern Brazil. Frontiers in Plant Science, 2021, 12, 712162.	3.6	9
57	Seeds capture the diversity of genetic resource collections of Malus sieversii maintained in an orchard. Genetic Resources and Crop Evolution, 2017, 64, 1513-1528.	1.6	8
58	Where are we now as we merge genomics into plant breeding and what are our limitations? Experiences from RosBREED. Acta Horticulturae, 2016, , 1-6.	0.2	7
59	Contrasting effects of genotype and root size on the fungal and bacterial communities associated with apple rootstocks. Horticulture Research, 2022, 9, .	6.3	7
60	Advances in fruit crop propagation in Brazil and worldwide-apple trees. Revista Brasileira De Fruticultura, 2019, 41, .	0.5	6
61	Genetics, Breeding, and Genomics of Apple Rootstocks. Compendium of Plant Genomes, 2021, , 105-130.	0.5	5
62	Performance of Semi-dwarf Apple Rootstocks in Two-dimensional Training Systems. Hortscience: A Publication of the American Society for Hortcultural Science, 2021, 56, 234-241.	1.0	5
63	BUDAGOVSKY 9 ROOTSTOCK: UNCOVERING A NOVEL RESISTANCE TO FIRE BLIGHT. Acta Horticulturae, 2008, , 321-324.	0.2	3
64	(314) GenevaÂ® 41: A New Fire Blight Resistant, Dwarf Apple Rootstock. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1027A-1027.	1.0	3
65	Advances in the development and utilization of fruit tree rootstocks: a case study for apple. Burleigh Dodds Series in Agricultural Science, 2019, , 31-72.	0.2	2
66	(315) GenevaÂ® 935: A New Fire Blight Resistant, Semidwarfing Apple rootstock. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1027B-1027.	1.0	1
67	MAPPING GENES EXPRESSED PREFERENTIALLY IN APPLE ROOTSTOCKS. Acta Horticulturae, 2011, , 75-80.	0.2	0
68	Mapping of the Frl Locus Conferring Resistance to Fusarium oxysporum f.sp. radicis-lycopersici(FORL) in Tomato and Identification of RAPD Markers Linked to a New Source of Resistance. Hortscience: A Publication of the American Society for Hortcultural Science, 1997, 32, 449E-450.	1.0	0